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Montana Oil and Gas STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XIII, No. 11 — 3 — November, 1965

Production of crude oil and condensate from the oil and gas areas of Montana for the month of November, 1965, averaged 96,781 barrels daily, an increase of 1,973 barrels from the average October production of 94,808.

The nine refineries in state processed 92,770 barrels of crude oil daily for the month of November, 1965, an increase of 3,953 barrels from the 88,817 barrels processed daily during the month of October, 1965.

During November, 53 wells were completed, 23 oil, 0 gas wells and 30 dry holes.

During November, the commission issued 69 permits to drill new wells, an increase of 6 from 63 permits issued during October.

SUMMARY OF CRUDE OIL PRODUCTION REFINING STORAGE, ETC., IN MONTANA

MONTH OF NOVEMBER, 1965

IN STORAGE NOVEMBER 1st:	
By Producers	338,686
By Transporters	1,088,796
By Refiners	538,993
TOTAL STORAGE	1,966,475
Produced in Montana During Month	2,903,447
Imported During Month	1,694,246
TOTALS	6,564,168
DISPOSITION:	
Refined in Montana	2,783,104
Exported	1,848,831
Used for Fuel or Lost	12,756
TOTAL	4,644,691
IN STORAGE NOVEMBER 30th:	
By Producers	368,003
By Transporters	1,017,057
By Refiners	534,417
TOTAL STORAGE	1,919,477

NATURAL GAS WITHDRAWALS IN MONTANA

Month of November, 1965

Field	M Cu. Ft.
Bears Den	0
Big Coulee	102,799
Bowdoin	232,740
Bowes	51,906
Cabin Creek	84,829
Cedar Creek	387,995
Cut Bank (Including Regan)	771,032
Devon	0
Dry Creek	129,492
Elk Basin	29,464
Flat Coulee	7,650
Gold Butte	0
Golden Dome	0
Grandview	0
Hardin	3,988
Keith Block	381,647
Kevin Sunburst	85,054
Lake Basin	71,629
Middle Butte	9,861
Mt. Lilly	18,345
Pine	56,563
Plevna	15,077
Utopia	108,661
Whitlash	115,352
Miscellaneous	55,350
TOTAL	2,719,434

Total withdrawals for November, 1964 were 2,564,448 M Cu. Ft.

PRODUCERS REPORT—MONTH OF NOVEMBER, 1965

Lease	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
2	Asb Creek	5	691	4,281	.....	4,222	.....	750
4	Bannatyne	6	1,371	523	.....	917	.....	977
1	Bascom	1	238	91	133	.....	63	133
5	Bear's Den	6	1,804	2,811	1,313	1,400	.....	1,902
1	Belfry	1	96	142	.....	194	.....	44
1	Benrud	1	118	3,589	3,275	.....	.....	432
1	Benrud East	1	875	9,778	9,176	.....	.....	1,477
1	Benrud Northeast	1	675	14,205	14,151	.....	.....	729
8	Big Wall	20	2,588	14,135	14,657	.....	.....	2,066
7	Blackfoot	10	1,071	5,159	2,292	2,547	.....	1,391
1	Blackfoot East	1	290	155	.....	.....	.....	445
2	Border	2	.....	1,560	.....	1,560	.....	.....
1	Bowes	52	5,771	10,806	10,279	.....	.....	6,298
2	Bradley	2	692	907	879	.....	.....	720
1	Brady	1	30	27	.....	.....	.....	57
1	Bynum	1	117	154	.....	.....	.....	271
2	Cabin Creek	109	6,264	330,890	331,087	.....	.....	6,067
15	Cat Creek	95	3,082	14,269	13,861	.....	60	3,430
1	Clark's Fork	1	108	135	.....	.....	.....	243
....	Clark's Fork North	....	303	.....	.....	.....	.....	303
2	Conrad South	3	774	462	222	.....	1	1,013
1	Cupton	1	1,172	1,034	.....	991	.....	1,215
170	Cut Bank	1,309	95,205	338,461	299,577	30,260	9	103,820
3	Deer Creek	3	2,356	3,068	3,155	.....	.....	2,269
1	Delphia	1	141	62	.....	.....	.....	203
1	Devil's Basin	1	804	176	.....	529	.....	451
1	Dry Creek	1	77	60	.....	.....	.....	137
15	Dwyer	16	6,076	32,462	30,751	.....	.....	7,787
4	Elk Basin	52	1,746	226,280	226,117	.....	.....	1,909
5	Elk Basin Northwest	16	2,203	28,597	.....	27,729	.....	3,071
1	Fairview	1	1,290	19,878	.....	20,385	.....	783
3	Fertile Prairie	3	791	2,358	737	1,365	.....	1,047
24	Flat Coulee	29	5,200	26,585	26,312	689	.....	4,784
22	Flat Lake	34	6,719	110,267	106,241	.....	155	10,590
2	Frannie	2	.....	1,345	1,345	.....	.....	.....
14	Fred & George Creek	32	1,992	134,872	134,443	347	.....	2,074
1	Gage	1	120	401	.....	411	.....	110
1	Gage Southwest	1	483	294	.....	408	.....	369
4	Gas City	27	9,663	38,639	36,537	3,521	.....	8,244
8	Glendive	13	3,951	29,565	24,275	5,424	.....	3,817
16	Goose Lake	19	3,221	64,196	63,718	.....	.....	3,699
6	Graben Coulee	12	3,859	4,128	2,742	1,284	2	3,959
....	Grandview	....	112	.....	.....	.....	.....	112
5	Gypsy Basin	7	2,406	3,151	2,690	250	451	2,166
1	Hibbard	1	102	432	.....	362	.....	172
8	Ivanboe	11	2,674	22,661	22,632	.....	.....	2,703
9	Keg Coulee	22	5,323	21,294	21,701	.....	1	4,915
2	Keg Coulee North	2	768	3,473	3,562	.....	.....	679
129	Kevin Sunburst	672	17,167	35,240	34,730	.....	149	17,528
2	Little Beaver	24	3,083	25,762	24,978	334	357	3,176
3	Little Beaver East	17	2,832	22,369	22,485	.....	.....	2,716
2	Lodge Grass	2	798	1,811	.....	1,196	.....	1,413
3	Lone Tree	3	1,167	5,861	.....	5,765	.....	1,263
23	Lookout Butte	71	4,451	109,676	107,797	.....	1,264	5,066
....	Mackay Dome	....	770	.....	.....	.....	.....	770
2	Mason Lake	2	395	2,577	2,552	.....	.....	420
2	Melstone	5	403	2,862	2,625	.....	.....	640
1	Mineral Bench	1	624	5,996	6,297	.....	.....	323
6	Monarch	13	3,900	12,657	13,300	.....	.....	3,257
4	Mosser	4	.....	587	.....	587	.....	.....
....	Musselsbell	....	146	.....	.....	.....	.....	146
7	Outlook	12	5,821	47,474	45,243	.....	.....	8,052
2	Outlook South	2	1,174	1,861	1,690	.....	.....	1,345
66	Pennel	112	4,782	186,437	186,928	.....	.....	4,291
4	Pine	127	16,370	333,639	335,239	.....	.....	14,770
4	Pole Creek	4	1,314	2,307	.....	2,492	.....	1,129
65	Pondera	301	7,917	26,502	25,775	.....	.....	8,644
5	Poplar East	73	11,720	81,709	80,644	.....	64	12,721
4	Poplar Northwest	5	1,437	1,733	680	.....	.....	2,490
1	Prairie Elk	1	884	1,017	.....	801	.....	1,100
6	Ragged Point	17	2,960	5,690	5,058	.....	.....	3,592
2	Ranch Creek	2	423	2,424	.....	2,298	12	537
4	Reagan	43	3,328	16,423	17,239	.....	.....	2,512
1	Red Creek	27	165	25,573	25,421	166	.....	151
1	Redstone	1	249	948	386	.....	.....	811
1	Repeat	1	208	590	.....	388	.....	410
6	Richey	6	2,619	475	1,295	.....	25	1,774
6	Ricbey Southwest	7	3,630	9,775	.....	10,055	.....	3,350
4	Sand Creek	5	.....	3,713	1,096	2,617	.....	.....
1	Shotgun Creek	1	358	914	.....	1,086	.....	186
3	Sidney-Brorson	3	1,736	2,627	1,269	367	10	2,717
2	Snyder	4	1,656	1,022	.....	1,268	.....	1,410
5	Soap Creek	9	3,741	5,018	.....	1,951	.....	6,808
2	Spring Lake	3	3,557	6,191	.....	5,575	.....	4,173
2	Stensvad	24	5,138	32,236	32,417	.....	.....	4,957
29	Sumatra	85	11,179	75,267	75,527	.....	.....	10,919
5	Tule Creek	7	2,584	49,562	.....	49,176	.....	2,970
2	Tule Creek East	2	1,048	32,520	32,391	.....	.....	1,177
1	Tule Creek South	1	869	4,877	.....	5,124	.....	622
2	Vida	2	438	2,771	.....	2,468	.....	741
4	Volt	6	1,690	15,351	14,398	.....	.....	2,643
6	Weldon	14	5,163	120,914	.....	118,079	.....	7,998
14	Whitlash	39	6,551	21,462	17,257	3,450	.....	7,306
2	Whitlash West	2	140	646	646	.....	.....	140
2	Wills Creek South	2	1,310	7,529	7,960	.....	.....	879
8	Wolf Springs	16	4,339	18,090	15,651	.....	.....	6,778
3	Woodrow	4	374	3,690	3,519	.....	.....	545
....	Wildcat, Carbon County	....	50	.....	.....	.....	.....	50
1	Wildcat, Glacier County	1	263	478	.....	455	.....	286
1	Wildcat, Liberty County	1	225	61	.....	.....	.....	286
1	Wildcat, Roosevelt County	1	128	715	.....	661	.....	182
849	Totals	3,723	338,686	2,903,447	2,550,353	321,154	2,623	368,003

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1964	30,647,498	83,965	30,604,009	83,846
First Quarter, 1965	7,583,264	84,258	7,566,682	84,074
Second Quarter, 1965	7,921,981	87,054	7,941,312	87,267
Third Quarter, 1965	8,582,252	93,285	8,584,638	93,311
October, 1965	2,939,073	94,808	2,946,329	95,042
November, 1965	2,903,447	96,781	2,871,507	95,716

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1964	369,139	933,819	508,411	1,811,369
First Quarter, 1965	376,346	986,628	704,702	2,067,676
Second Quarter, 1965	353,225	1,100,388	612,787	2,066,400
Third Quarter, 1965	347,778	1,052,680	403,618	1,804,076
October, 1965	338,686	1,088,796	538,993	1,966,475
November, 1965	368,003	1,017,057	534,417	1,919,477

*Includes Wyoming Oil

TRANSPORTERS MONTHLY REPORT—MONTH OF NOVEMBER, 1965

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck	.....	.....	4,222	.....	.....	.....	4,222	.....	.....
BANNATYNE—Truck	.....	.....	917	.....	.....	917	.....	.....	.....
BEAR'S DEN—Truck	.....	.....	1,400	.....	.....	.....	.....	1,400	.....
BELFRY—Truck	.....	.....	194	.....	.....	.....	194	.....	.....
BIG WALL—Continental Pipeline Co.	.....	16,114	.....	.....	.....	16,114	.....	.....	.....
BLACKFOOT—									
Union Oil Co.	.....	2,292	.....	.....	.....	.....	.....	2,292	.....
Thompson Crude Purchasing	.....	.....	2,547	.....	.....	.....	.....	2,547	.....
	.....	2,292	2,547	.....	.....	.....	.....	4,839	.....
BORDER—Truck	.....	.....	1,560	.....	.....	.....	1,560	.....	.....
BOWES—Texaco Inc.	.....	10,279	.....	.....	.....	10,279	.....	.....	.....
CABIN CREEK & OTHERS°—									
Butte Pipeline Co.	350,370	709,492	151,167	686,487	.....	.....	1,588,597	.....	308,919
Shell Pipeline Co.	5,912	305,269	.....	332	(384)	.....	.....	308,062	3,835
	356,282	1,014,761	151,167	686,819	(384)	.....	1,588,597	308,062	312,754
CAT CREEK—Continental Pipeline Co.	.....	12,091	.....	.....	.....	12,091	.....	.....	.....
CUT BANK—									
Darling Gathering System, Inc.	16,954	21,247	.....	.....	.....	.....	.....	27,520	10,681
Continental Pipeline Co.	.....	.....	32,996	405,735	.....	438,731	.....	.....	.....
Phillips Petroleum Co.	84,880	55,671	.....	67,383	748	99,352	.....	21,250	86,584
Texas Pipeline Co.	17,889	48,634	.....	14,582	319	.....	.....	56,278	24,508
Union Oil Co.	120,174	61,523	.....	17,665	170	108,600	.....	.....	90,592
Western Oil Transportation Co.	28,599	43,762	.....	120,769	437	.....	.....	148,115	44,578
Western Oil Trans. (Moulton)	.....	95,819	.....	.....	958	.....	.....	94,861	.....
	268,496	326,656	32,996	626,134	2,632	646,683	.....	348,024	256,943
DEVIL'S BASIN—Truck	.....	.....	529	.....	.....	529	.....	.....	.....
DWYER—Portal Pipeline Co.	.....	30,314	.....	.....	.....	.....	30,314	.....	.....
ELK BASIN—Marathon Pipeline Co.	.....	252,048	.....	.....	.....	252,048	.....	.....	.....
ELK BASIN NORTHWEST—Truck	.....	.....	27,729	.....	.....	.....	27,729	.....	.....
FAIRVIEW—									
Rock Island Oil & Ref. Co.	.....	.....	20,385	.....	.....	.....	20,385	.....	.....
FLAT COULEE—									
Camerland Cardinal Corp.	3,000	24,655	.....	.....	.....	.....	.....	24,655	3,000
FLAT LAKE—Portal Pipeline Co.	.....	105,298	.....	.....	.....	.....	105,298	.....	.....
FRANNIE—Interstate Pipeline Co.	.....	1,345	.....	.....	.....	.....	1,345	.....	.....
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	18,481	131,242	.....	.....	.....	135,118	.....	.....	14,605
GAGE & GAGE S. W.—Truck	.....	.....	819	.....	.....	819	.....	.....	.....
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	8,214	35,045	.....	.....	(1,584)	.....	.....	37,153	7,690
GOOSE LAKE—Portal Pipeline Co.	.....	63,139	.....	.....	.....	.....	63,139	.....	.....
HIBBARD—Truck	.....	.....	362	.....	.....	362	.....	.....	.....
IVANHOE—Continental Pipeline Co.	.....	22,842	.....	.....	.....	18,333	4,509	.....	.....
KEG COULEE & KEG COULEE NORTH—Continental Pipeline Co.	.....	25,695	.....	.....	.....	19,964	5,731	.....	.....
KEVIN SUNBURST—									
Big West Oil Co.	5,155	50,000	.....	.....	.....	50,000	.....	.....	5,155
Homestake Oil & Gas Co.	5,769	1,632	.....	27,520	.....	29,886	.....	.....	5,035
Texas Pipeline Co.	12,244	13,373	.....	25,617	290	.....	.....	40,200	10,744
	23,168	65,005	.....	53,137	290	79,886	.....	40,200	20,934
LODGE GRASS—McWood Corp.	.....	.....	1,196	.....	.....	.....	.....	1,196	.....
LONE TREE—Truck	.....	.....	5,765	.....	.....	.....	5,765	.....	.....
MASON LAKE—Continental Pipeline Co.	.....	2,552	.....	.....	.....	2,552	.....	.....	.....
MELSTONE—Continental Pipeline Co.	.....	2,625	.....	.....	.....	2,625	.....	.....	.....
MOSSER—Truck	.....	.....	587	.....	.....	.....	587	.....	.....
POLE CREEK—Truck	.....	.....	2,492	.....	.....	.....	2,492	.....	.....
PONDERA—Phillips Petr. Co.	40,025	26,284	.....	.....	1,131	42,802	.....	.....	22,376
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	8,024	242,747	.....	.....	137	.....	.....	215,492†	35,142
RAGGED POINT—									
Continental Pipeline Co.	.....	4,206	.....	.....	.....	258	3,948	.....	.....
RANCH CREEK—									
Rock Island Oil & Ref.	.....	.....	2,298	.....	.....	.....	2,298	.....	.....
RED CREEK—									
Western Oil Transportation Co.	.....	25,472	.....	.....	255	.....	.....	25,217	.....
SHOTGUN CREEK—Truck	.....	.....	1,086	.....	.....	.....	1,086	.....	.....
SIDNEY-BRORSON—McWood Corp.	9,279	.....	367	4,294	.....	.....	.....	5,284	8,656
SNYDER—Truck	.....	.....	1,268	.....	.....	1,268	.....	.....	.....
SOAP CREEK—McWood Corp.	5,699	.....	1,951	1,329	.....	.....	.....	6,860	2,119
SPRING LAKE—									
Rock Island Oil & Ref. Co.	.....	.....	5,575	.....	.....	.....	5,575	.....	.....
SUMATRA & STENSVAD—									
Continental Pipeline Co.	341,583	106,550	.....	406,845	5,980	94,560	.....	427,378	327,060
TULE CREEK—Tesoro Petr. Corp.	6,545	.....	49,176	100	.....	50,043	.....	.....	5,778
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.	.....	21,111	.....	.....	.....	21,111	.....	.....	.....
Thompson Crude Purchasing	.....	.....	3,450	.....	.....	3,450	.....	.....	.....
	.....	21,111	3,450	.....	.....	24,561	.....	.....	.....
WOLF SPRINGS—									
Continental Pipeline Co.	.....	18,383	.....	.....	.....	18,383	.....	.....	.....
WILDCAT WELLS—Truck	.....	.....	1,116	.....	.....	1,116	.....	.....	.....
TOTALS	1,088,796	2,588,751	321,154	1,778,658	8,457	1,431,311	1,874,774	1,445,760	1,017,057

°Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest and Wills Creek South.

†Transferred to Butte Pipeline Company

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF NOVEMBER, 1965

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall				16,114						16,114
Cat Creek		10,266				1,905				12,171
Cut Bank				128,467		221	56,503		55,757	240,948
Delphia						183				183
Devil's Basin						130				130
Dry Creek						30				30
Elk Basin		92,534		60,970	98,543					252,047
Fred & George Creek	39,323			95,795						135,118
Gage & Gage S.W.						1,063				1,063
Hibbard						400				400
Ivanhoe		18,333								18,333
Keg Coulee		6,766		13,198						19,964
Kevin Sunburst	24,009								48,480	72,489
Mason Lake		2,552								2,552
Melstone				2,625						2,625
Pondera							85,313			85,313
Ragged Point		258								258
Red Creek					25,587					25,587
Richey Southwest						500				500
Snyder		1,268								1,268
Sumatra & Stensvad		16,200		78,360	13,066					107,626
Tule Creek								51,436		51,436
Whitlash	24,561									24,561
Wolf Springs					18,142					18,142
Total Montana Oil	87,893	148,177		395,529	155,338	4,432	141,816	51,436	104,237	1,088,858
Canadian Oil Imported		403,837							1,898	405,735
Wyoming Oil Imported		117,120		243,855	926,871	665				1,288,511
Total Montana, Canadian and Wyoming Oil	87,893	669,134		639,384	1,082,209	5,097	141,816	51,436	106,135	2,783,104

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1964	33,677	10,963	43,051	87,691
November, 1964	37,512	12,212	43,078	92,802
November, 1965	36,295	13,525	42,950	92,770

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1964	38.40%	12.51%	49.09%
November, 1964	40.42%	13.16%	46.42%
November, 1965	39.12%	14.59%	46.29%